CLAIMS

1. A method of assembling a structure comprising at least the steps of:

providing a sub-structure,

positioning shim material on at least part of the sub-structure,

curing the shim material disposed on the sub-structure,

machining the cured shim material to a desired thickness, and

assembling an outer layer with the sub-structure such that the shim material lies substantially between the outer layer and the sub-structure.

2. A method as claimed in claim 1 wherein the shim material is cured at below 80°C.

3. A method as claimed in ~~any preceding claim~~ claim 1 wherein the curing is effected by exposure of the shim material to ultra violet light.

4. A method as claimed in claim 1 ~~or claim 2~~ wherein the curing is effected by exposure of the shim material to radio frequency radiation.

5. A method as claimed in ~~any preceding claim~~ claim 1 wherein the outer layer comprises at least two parts and the thickness of each outer layer part is measured prior to machining the shim material.

6. A method as claimed in claim 5 wherein the shim material is machined to different thicknesses at different locations on the sub-structure so that, when assembled to the sub-structure, the outer layer parts together conform, within pre-determined tolerances, to a pre-determined profile.

7. A method as claimed in ~~any of claims 1 to 6~~ claim 1 wherein the shim material is pre-formed into a film or sheet prior to its being positioned on the sub-structure.

8. A method as claimed in claim 7 wherein the film or sheet of shim material is pre-cut into a shape suitable for direct use in a particular application prior to the shim material being positioned on the sub-structure.

9. A method as claimed in claim 7 ~~or claim 8~~ wherein the film or sheet of shim material has a thickness in the range 0.4 to 4.0 mm.

10. A method as claimed in ~~any preceding claim~~ claim 1 wherein the shim material is positioned on a vertical surface of the sub-structure.

11. A method as claimed in ~~any of claims 1 to 9~~ claim 1 wherein the shim material is positioned on the underside of the sub-structure.

12. A method as claimed in ~~any preceding claim~~ claim 1 wherein the shim material substantially does not flow during curing at temperatures of up to 80°C.